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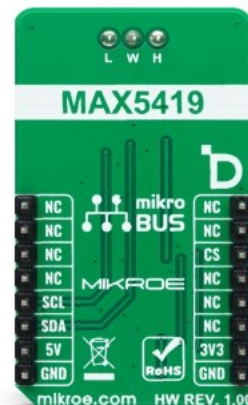www.mikroe.com

DIGI POT 13 Click

PID: MIKROE-5683

DIGI POT 13 Click is a compact add-on board that contains a digitally controlled potentiometer. This board features the MAX5419, a 256-tap non-volatile digital potentiometer from Analog Devices. On this Click board™, one digitally I2C-controlled potentiometer is realized with typical end-to-end resistance values of 200kΩ. It can operate from both 3.3V and 5V power supplies and provides a low 35ppm/ºC end-to-end nominal resistance temperature coefficient and only 5ppm/ºC ratiometric. This Click board™ makes the perfect solution for the development of mechanical potentiometer replacement for the portable consumer market, volume control, LCD contrast control, and battery-backup industrial applications.

DIGI POT 13 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

Specifications

Type	Digital potentiometer
Applications	Can be used for the development of mechanical potentiometer replacements for the portable consumer market, volume control, LCD contrast control, and battery-backup industrial applications
On-board modules	MAX5419 - digital potentiometer from Analog Devices
Key Features	Single channel, single supply operation, 256-position resolution, 200kΩ nominal resistance, I2C-compatible interface, nonvolatile memory stores wiper settings, 50 years of typical data retention, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

Downloads

DIGI POT 13 click example on Libstock

DIGI POT 13 click schematic

DIGI POT 13 click 2D and 3D files

MAX5419 datasheet

Mikroe produces entire development toolchains for all major microcontroller architectures.
Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.

ISO 27001: 2013 certification of informational security management system.
ISO 14001: 2015 certification of environmental management system.
OHSAS 18001: 2008 certification of occupational health and safety management system.

ISO 9001: 2015 certification of quality management system (QMS).